

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A dual mode terminal supporting different packet frame modes, comprising:

a video chip having an application of packet data services and a first data communication protocol and a second data communication protocol;

a first network modem chip coupled to the video chip through an interface and having a protocol stack relating to a first communication network; and

a second network modem chip coupled with the video chip through an interface and having a protocol stack relating to a second communication network, wherein the first data communication protocol of the video chip converts Point to Point Protocol (PPP) packets received from the first network modem chip into Internet Protocol (IP) packets for the video chip, and the first data communication protocol of the video chip converts IP packets in the video chip into PPP packets for the first network modem chip.

2. (Original) The terminal of claim 1, wherein the first data communication protocol performs Internet Protocol (IP) packet processing and performs mutual conversion of IP

Reply to Office Action dated January 24, 2008

packets and Point to Point Protocol (PPP) packets only in communication with the first communication network.

3. (Original) The terminal of claim 1, wherein the video chip communicates with the first network modem chip through a Universal Asynchronous Receiver Transmitter (UART) interface and communicates with the second network modem chip through a Dual Port RAM (DPRAM) interface.

4. (Currently Amended) The terminal of claim 3, wherein the video chip and the first network modem chip each include a UART driver ~~in order~~ to communicate through the UART interface.

5. (Currently Amended) The terminal of claim 3, wherein the video chip and the second network modem chip each include an Inter Process Communication (IPC) driver to communicate through the DPRAM interface.

6. (Original) The terminal of claim 1, wherein the application of packet data services is directly interworked with a socket of a Transmission Control Protocol /Internet Protocol (TCP/IP) superior layer.

7. (Original) The terminal of claim 6, wherein the socket comprises a Transmission Control Protocol /Internet Protocol (TCP/IP) superior layer.

8. (Original) The terminal of claim 1, wherein the first network modem chip and the second network modem chip perform only functions of a modem.

9. (Original) The terminal of claim 1, wherein the first data communication protocol, the first network modem chip and the first communication network are based in a Code Division Multiple Access (CDMA) network.

10. (Currently Amended) The terminal of claim 1, wherein the second data communication protocol, the second network modem chip and the second communication network are based in a Wideband Code Division Multiple Access (WCDMA) network.

Reply to Office Action dated January 24, 2008

11. (Currently Amended) A method for supporting different packet frame modes in a terminal ~~which~~ that supports transmission in different packet frames, wherein the terminal includes a video chip having a first data communication protocol and a second data communication protocol, the method comprising:

the terminal performing packet data communication with a second communication network; ~~and~~

the terminal performing packet processing by using the first data communication protocol in packet data communication with a first communication network, wherein the terminal performing packet data communication with the second communication network including:

directly providing a packet to a second network modem from the video chip when a packet is transmitted from the terminal to the second communication network in packet data communication, and

receiving an IP frame at the video chip through the second network modem, the video chip performing packet processing and interworking with a socket when a packet is transmitted from the second communication network to the terminal,

wherein the terminal performing packet processing by using the first data communication protocol includes:

converting an Internet Protocol (IP) packet to a Point to Point Protocol (PPP) packet in the video chip, converting the PPP packet into a PPP frame and providing the

Reply to Office Action dated January 24, 2008

PPP frame to a first network modem when a packet is transmitted from the terminal to the first communication network in packet data communication, and  
receiving a PPP frame at the video chip through the first network modem,  
converting the received PPP frame into an IP frame, and performing packet processing and  
interworking with a socket when a packet is transmitted from the first communication network  
to the terminal.

12. (Currently Amended) The method of claim 11, further comprising performing Internet Protocol (IP) packet processing with the first data communication protocol only in a case of communicating with the first communication network, wherein the IP packets and the Point to Point Protocol (PPP) packets are mutually converted.

13-14. (Canceled)

15. (Currently Amended) The method of claim [[of]] 11, wherein the first data communication protocol, the first network modem chip and the first communication network are based in a Code Division Multiple Access (CDMA) network.

Reply to Office Action dated January 24, 2008

16. (Original) The method of claim 11, wherein the second data communication protocol, the second network modem chip and the second communication network are based in a Wideband Code Division Multiple Access (WCDMA) network.

17. (Currently Amended) The method of claim ~~[[13]]~~11, wherein the socket comprises a Transmission Control Protocol/Internet Protocol (TCP/IP) superior layer.

18. (Currently Amended) The method of claim ~~[[14]]~~11, wherein the socket comprises a Transmission Control Protocol/Internet Protocol (TCP/IP) superior layer.

19. (Currently Amended) A method for supporting different packet frame modes in a terminal ~~which~~ that supports transmission in different packet frames, comprising:

judging a system mode by using a terminal including a video chip having a first data communication protocol and a second data communication protocol;

transmitting packet data to a first network ~~according to~~ when the judged system mode is a first communication service for the first network, the transmitting including performing Internet Protocol (IP) packet processing at the video chip with the first data communication protocol and performing mutual conversion of IP packet and Point to Point Protocol (PPP) packets at the video chip only when in communication with the first network;

Reply to Office Action dated January 24, 2008

transmitting a pertinent Internet Protocol (IP) frame to a second network by  
transmitting the IP packet directly to a modem chip when the system mode is a second  
communication service for the second network; and

receiving packet data from the first network; and

receiving data from the second network.

20-22. (Canceled)

23. (Currently Amended) The method of claim 19, wherein transmitting packet data  
further ~~comprises~~ includes:

~~transmitting~~ ~~converting~~ an Internet Protocol (IP) ~~frame~~ ~~passing~~ IP packet  
~~processing~~ to a Point to Point Protocol (PPP) in the video chip, and converting the IP frame  
into a PPP frame in the video chip;

transmitting the PPP frame to a first network modem chip; and

transmitting the PPP frame to the first network ~~according to the system mode.~~

24. (Canceled)

25. (Currently Amended) The method of claim 19, wherein receiving packet data ~~further from the first network~~ comprises:

transmitting a Point to Point Protocol (PPP) frame received from a communication network to the video chip when packet data is received from the ~~communication~~ first network; and

converting the PPP frame into an Internet Protocol (IP) frame and performing packet processing in the video chip and operating application of a pertinent packet data service.

26. (Original) The method of claim 19, wherein the first data communication protocol and the first network are based in a Code Division Multiple Access (CDMA) network.

27. (Original) The method of claim 19, wherein the second data communication protocol and the first network are based in a Wideband Code Division Multiple Access (WCDMA) network.

28-45. (Canceled)